19981129.qrp v01_n291.qrs.981129

Date: Sun, 29 Nov 1998 19:03:14 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1291

QRP-L Digest 1291

Topics covered in this issue include:

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  2) [26104] CB to 12 M conversion
     by "Steve Weber" <kd1jv@moose.ncia.net>
  3) [26105] drivers for SB cards for SM etc.
     by Scott Howell <whowell@hq.nasa.gov>
  4) [26106] Re: my beacon
     by K0RWC <rwc@frii.com>
  5) [26107] Paul Valko, Where are you?
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  9) [26111] AHA! New Tech - with OLD HAMS! A PROBLEM! (LONG!)
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 11) [26113] Code practice for DOS machine
     by ka7you@juno.com
 12) [26114] RE: Gel Cell Questions
     by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
 13) [26115] FS QRP
     by RangerSF5@aol.com
 14) [26116] OHR-500 Alive in Fresno
     by dave_epps@juno.com
 15) [26117] WTB: Meter from HAM-II rotor control
     by Vic Rosenthal <rakefet@rakefet.com>
 16) [26118] Elmer205: SPICE books and software information [long]
     by Chuck Adams <adams@ticnet.com>
 17) [26119] Re: LDG TUNER QUESTION
     by "John Zaruba =?ISO-8859-1?Q?Jr.=7F"?= <jzaruba@mail.snip.net>
 18) [26120] Re: OHR-500 Alive in Fresno....and mine in Louisville!
     by olyellr@iglou.com
 19) [26121] Re: LDG TUNER QUESTION

by Mike Dooley <msdooley@airmail.net>
20) [26122] Re: AHA! New Tech - with OLD HAMS! A PROBLEM! (LONG!)
by "Curtis D. Levin" <kd4zkw@amsat.org>
21) [26123] Resonant Speaker project update.
by we6w@juno.com (Ed Loranger)
22) [26124] SGC 2020 Club
by Kathi Hilton <kathi2@earthlink.net>
23) [26125] Re: BNC's and Phonos! Now Ecosse!
by "Mel Evans" <MelGM6JAG@bccscotland.freeserve.co.uk>
24) [26126] Re: Code practice for DOS machine/SM
by "Mel Evans" <MelGM6JAG@bccscotland.freeserve.co.uk>
25) [26127] Re: The right end of the slobberin' iron ,I WAS THERE
by "Mel Evans" <MelGM6JAG@bccscotland.freeserve.co.uk>
26) [26128] Re: Code practice for DOS machine/SM
by Yaacov@barcode.co.il
27) [26129] 80m ARQRP net
by Ken Graham <k5id@ipa.net>
28) [26130] Welcome back to old hams
by brian <brian@iquest.net>
29) [26131] Calling Bob Gobrick
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
30) [26132] HW8 Handbook
by William-McShan@ouhsc.edu (Mike McShan)
31) [26133] Hi-Mound MK8 paddle for sale
by Scott Howell <whowell@hq.nasa.gov>
32) [26134] Re: HW8 Handbook
by "Vincent Ferme" <vferme@sprint.ca>
33) [26135] [RE]learning code
by Rod Cerkoney <rwc@frii.com>
34) [26136] re: Artificial Ground
by "GREGORY HEATH" <KB2QQM@email.msn.com>
35) [26137] Re: AHA! New Tech - with OLD HAMS! A PROBLEM! (LONG!)
by Dave Sjolin <sjolin@swbell.net>
36) [26138] Ten is hopping mad....
by Fred Lesnick <flesnick@tbaytel.net>
37) [26139] SPICE Models 2N5109-5179
by David Shalita <af389@lafn.org>
38) [26140] RE Learning Code
by "Ken & Linda Burrough" <ne0c@1st.net>
39) [26141] Re: Welcome back to old hams
by Bruce Muscolino <w6toy@erols.com>
40) [26142] Re: 11 to 10 Conversion
by "Bob Marsh" <bmarsh@hicom.net>
41) [26143] Elmer200: Crystal Checker results and info ... long
by "Bruce Barley" <lbbarley@feist.com>
42) [26144] Re: Work DX
by "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
43) [26145] Paddle suggestion results

    by "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
 44) [26146] N/T+ Fox: 1st notice for Wed. 12/2 (Thurs. 12/3 UTC)
    by "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
 45) [26147] 6m Antennas for QRP?
    by Andrew Comas <acomas@panix.com>
 46) [26148] call lookup
    by Scott Howell <whowell@hq.nasa.gov>
 47) [26149] FYBO
    by n4js@pobox.com (John Sielke)
 48) [26150] IC Pins
    by Thom <thom@li.net>
 49) [26151] Slobberin' iron ends & some other stuff . . .
    by nilsbull@juno.com (Nils R Young)

Date: Sat, 28 Nov 1998 19:00:42 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Subject: [26103] cw contest
Message-ID: <3.0.5.32.19981128190042.007c1100@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

    ok, so I once again missed what the exchange and rules are. Could someone drop me a note so maybe in the future I could keep up with all this? where am I,
geez you'd think I'd know about this stuff, but anyway if there is a good web site or E-mail reflector that would keep me up-to-date on all these contests, please let me know.

tnx es 72/73 de Scott/n3byy

Date: Sat, 28 Nov 98 19:20:49 PST
From: "Steve Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [26104] CB to 12 M conversion
Message-ID: <MAPI.Id.0016.0064316a76202020303030303530303035@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Howdy,

First, I finally figured out why my ISP keepet dumping me when I tried =

to connect, forgot to click the "activate terminal window on connect" but=
ton. I have to log on manually with the terminal window. Pain in the butt=
 :-)

Hopefully this MS internet mail program will work better.

Hey, I had an old JC Penny SSB CB set here, which used a bunch of xtals =
for the frequency synthesis. Since we're hot and heavy into CB conversion=
s lately, I decided to try this one on 12 Meters.

The conversion on this one was real easy. I did take the quick and easy =
way out of the VFO problem by using my 9850 DDS VFO. Once that was wired =
in, just had to tweak a few coils.

Made a few contacts with it yesterday and today, had my first DX on 12m =
with YV5MM. Not bad with 4 watts pep into the Astron A99 vertical.

Sounds like a fair amount of activity on 12M. Think I'll play there more =
often now. I saw in a recent Copper Electronics catalog they have an $89.=
95 SSB CB set for sale. I think I'll get one soon and see what it would =
take to put that on 12M. That one might just take an xtal change.

72,
Steve KD1JV, in the White Mountains of NH
"Melt Solder"

Date: Sat, 28 Nov 1998 19:12:08 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: cw@qth.net
Cc: qrp-l@lehigh.edu
Subject: [26105] drivers for SB cards for SM etc.
Message-ID: <3.0.5.32.19981128191208.007cfb90@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am trying to find the dos drivers for either the Soundblaster awe32 or 16pro. I can't use Super Morse or any other program for practice purposes. The pc speaker is entirely to small to bother using. I haven't found a windows based program that will work well with my text to speech software, but if you know of one besides Super Morse for windows, let me know.

tnx es 72/73 de Scott/n3byy

Date: Sat, 28 Nov 1998 18:08:21 -0700
From: K0RWC <rwc@frii.com>
To: rwc@frii.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [26106] Re: my beacon
Message-ID: <3.0.5.32.19981128180821.007f7760@mail.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:38 AM 11/28/98 -0700, you wrote:
>Gang:
>
>Having fun rcving 10M beacons so I thought I would put one on the air for a
>while. Check out 28270.50, I leave it going until later this evening.

At 0033Z the beacon was switched off. Got 5 email reports

STATION	QTH	DIST(mi)	COMMENTS
K2REB	Mahopac, NY	1631	..."Noticeable QSB just started as I'm typing this message. Now barely audible at 1928Z"....
K1NNP	Jewett City, Ct.	1719	Just Checked your Beacon ... 539... Got you on a Realistic HTX-100 using a 2 element hombrew 10 meter yagi. Good signal.
WJ5O	Corpus Christi, TX	990	Tried but no copy
N1QQV	Madison, Conn.	1690	...S-3 here...
AL7FS	Anchorage, Alaska	2329	Your beacon reads at 28270.76 on my rig. RST 329. Copied 95% on first pass.
N6CHV	Sanford, FL	1571	I copied your beacon twice today. At 19:30z, weak signal, hard to copy, I needed several times to get the full transmission. At 21:19z...

Beacon setup: ICOM IC-746, running 5 watts (measured with MFJ 949E). ANT:
~40 ft. dipole feed with ~50ft of twin lead, though 949 tuner, ~20ft up,
orientation NW/SE.

72/3 K0RWC

Rod Cerkoney, QRP-L #1764.
Fort Collins, CO
da di dah

Date: Sat, 28 Nov 1998 20:54:08 -0500
From: Richard Arland <k7sz@epix.net>
To: qrp-l@lehigh.edu
Subject: [26107] Paul Valko, Where are you?
Message-ID: <3660A940.102B0A08@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Paul, please e-mail me privately.
Tnx,
Rich K7SZ

Date: Sat, 28 Nov 1998 21:16:42 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Cc: NJQRP Club <njqrp@njqrp.org>
Subject: [26108] 11 to 10 Calling Freq.
Message-ID: <3660AE8A.8252103@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, it's Steve's project so it make perfectly good sense for him to
pick the calling frequency. 29.060 it is. That's 06 on your Maxon
readout folks.

>In the mean time, Looks like there are at least a half a dozen Maxon >CB's
>on 10M AM now. Good work guys!
>
>Lets use 29.060 as our calling frequency. See you there :-)
>
>
>72, Steve

--
++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website http://members.home.net/tjarey

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Sat, 28 Nov 1998 21:22:33 -0500
From: Mike Czuhajewski <wa8mcq@erols.com>
To: QRP forum <qrp-l@lehigh.edu>
Cc: Wes Hayward <w7zoi@teleport.com>
Subject: [26109] Cyclon lead acid cell caution
Message-ID: <3660AFE9.3D70@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wes Hayward posted the URL of Hawker Energy Products, I took a look at the Cyclon application guide as he suggested, and it brought back lots of memories. At one time the Cyclon name (no "e" at the end) was sold by Gates, but it would seem that Hawker has taken over the product line. >From their application guide it would appear to be the same thing.

Maryland Radio Center was a local ham store until it closed recently. They used to have a "public junk box" which was a corner of the store set aside for junk. If the wife made you clean out the basement and you didn't want to toss the electronics in the trash, you could bring it there, or take home anything that looked good, all free. We got all sorts of electronics goodies from the public junk box over the years, as well as dropping off a huge quantity from our own houses.

One thing that started appearing there was a large quantity of Gates Cyclon batteries, mostly in the size that's the same as a standard D cell. These are 2 volt cells, rated at 2.5 amp hours. We also started seeing larger sizes show up at hamfests, and they still do. The Cyclon series are sealed lead acid cells and made to have very low internal resistance. This means that they can supply rather staggering amounts of current--briefly!--to a short circuit. I looked up the Cyclon cells in a catalog at the time, and seems to me the lowly D size Cyclon could deliver 200 amps to a short circuit. Maybe my memory is faulty, or perhaps they improved the design, since the Cyclon application guide I just read says the D cell can supply 400 amps. That's four hundred amperes to a short circuit directly at the terminals. Hint: do not

attempt this at home :-) That's based on an internal resistance of 5 milliohms (per the data sheet) at 2 volts for a fully charged cell.

The owner of Md Radio Center once accidentally shorted the wires on one of the cells--most of them came shrink-wrapped in a set of 3 with wire leads on them, to form a 6 volt battery. He reported that the wires vaporized and the cells were destroyed, but not before spitting out molten chunks of lead along with sulfuric acid. Fortunately no injury resulted, although the cement floor did require some cleaning!

Some of the other Cyclon cells available, by type, amp hour capacity and short circuit current are:

DT, 4.65 AH, 400 amps
X, 5 AH, 570 amps
E, 8 AH, 665 amps
J, 12 AH, 800 amps
BC, 25 AH, 1335 amps

All of these are physically larger than a standard D cell.

I still see Cyclon batteries at hamfests in this area, and I presume they are available around the country. They make attractive power sources and have great capabilities, but the potential for nastiness is equally great :-) If you are going to be using these--or any relatively large cell or battery of any type--it would be wise to place a fuse as close as possible to the battery, and to keep the terminals well protected and insulated so that nothing can short them directly.

Of course, if you have a short several inches away from one of those D cells, it won't draw anywhere near 400 amps due to the resistance of the wire. On the other hand, it probably will draw enough current through those wires to make you wish you'd had a fuse there :-)

Let's try an example. Assume #18 wire is used, and a short occurs one foot from the battery. That's two feet of #18 wire. According to the wire tables in the ARRL handbook, #18 has a resistance of 6.51 ohms per 1000 feet, so 2 feet has a resistance of 0.013 ohm. Add that to the 0.005 ohms internal resistance of the fully charged battery, or 0.018 ohms total, at 2 volts, or about 111 amps. The handbook says that #18 has a current carrying capacity of 2.32 amps, a specification which I believe is based on a specified, "acceptable" temperature rise. I'm not an expert in this area, but I rather suspect that 111 amps would result in an unacceptable temperature rise :-)

Again, the moral is to make sure that you have a fuse as close as possible to the terminals of a rechargeable battery, and make sure the terminals are protected so they can't be accidentally shorted.

(I mentioned some of this in my Idea Exchange column in the QRP
Quarterly several years ago, although I didn't give the information on
the larger sizes of cells or the #18 wire example.)

 --
73 and Queue Our Pea de WA8MCQ   wa8mcq@erols.com

Date: Sat, 28 Nov 98 20:51:28 -0500
From: Chuck Adams <adams@ticnet.com>
To: mike czuhajewski <wa8mcq@erols.com>
Cc: qrp <qrp-l@lehigh.edu>
Subject: [26110] Re: Cyclon lead acid cell caution
Message-ID: <199811290248.VAA31100@nss4.cc.Lehigh.EDU>

Thanks to Mike on the note on the Gates cells.

I have a set of the 25AHr cells (a.k.a. six-pack)
that weigh in at 23 pounds. Consists of six large
cells held in place by PVC covers on top and bottom.
Both for physical strength and safety as Mike pointed
out the shorted current is in excess of 1,000 amps!!!

I bought these at a Gainesville TX swapmeet for $17.
The buy of the century. I've seen them at the same
price elsewhere, but the shipping charges will cost
too much to get them someplace else.

I have placed two brass strips with 5-way terminals
that allow me to connect the power cables to. When
I did it (and I don't recommend this to anyone else)
I have gone to extra measures to insure that no
conducting item ever comes across the two exposed
terminals. :-) This is my power source for any qrp
rig I put on the desk. Hate to think that 23 pounds probably
comes close to the weight of the entire rig collection sans
keys. :-) I also took a section of broom handle and two
metal strips and made a carrying handle, which I'll show
in the photos. They hold a charge a long time and I just
trickle charge them with a regular gel-cell charger.

I'll photograph these cells and put them on the web page
Monday along with some other stuff I've been working on.
We'll also start back up on the Elmer200 postings now
that people have had time to get their crystal checkers

going......

This holiday weekend has been spent on 17 meters
where possible. Have worked on 17 meters the
following states (since all the big guns are on the
non-WARC bands) and this is not to be construed
as bragging, just the facts and another reason this
gang should listen to this band.....

AK CA CT DE GA IL IN MT ND NH NY NC RI SD VA
VT WA WI and WY. I thought I'd do the hard ones
first. :-)   Also had my first GM-17 to GM-17 QSO
on Saturday. He said 3W, but I don't think I can
possibly get that much from mine. Got it tuned
down to the patented 0.95W just to make life
interesting as usual. Also worked K4TWJ yesterday
(Friday). Neato.

The previous posting on the list about 18.101MHz.
There is a beacon from VE3RAT at 1W that is running
and has been running for over a year that I know of.
I use it to check on conditions, but don't let that
be the only factor. Call CQ. You'll be surprised.

FYI es agn tnx Mike
--
Chuck Adams K5FO adams@ticnet.com   CP-60
http://www.ticnet.com/k5fo

Date: Sat, 28 Nov 1998 22:10:03 -0500 (EST)
From: mpupeza@csolve.net (Michael Pupeza)
To: qrp-l@lehigh.edu
Subject: [26111] AHA! New Tech - with OLD HAMS! A PROBLEM! (LONG!)
Message-ID: <v01510101b28613046a2d@[207.61.168.117]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello there QRPers!
Technology has changed - and we 'older' hams have a BIG gap to try to span.
I am 56 years old, have been licenced since 1960, but still 'play' with
electronics, computers, radio, etc.! BUT it IS GETTING AWAY from me!

My first Ham experiences were with 'hollow state' devices (Vacuum Tubes)
with point to point wiring, from post war (WW2) equipment. I then used
Heathkit (p to p) kits - DX-20, etc., and learned how to solder. That is a

skill - a VERY IMPORTANT SKILL - that I improved on - and am good at, to this day!

Later came 'some' printed circuit wiring with 'tubes', but I was already doing 'breadboarding' of transistors and 'solid state' devices. This was now the late 60's, when BOTH methods were used in commercial equipment. Examples are Pye Radios, GE VHF equipment, Motorola, etc, where 'Hybrids' were the common state.

In the 70's - a REVOLUTION! Not only were we dealing with 'chips', containing multitudes of 'Texas Instruments' 'solid state' devices, but they were Printed Circuit Boards, Multi-layer PC Boards, wire-wrap (Remember those?), but the complexity and size of the boards were astounding! AND becoming throwaways if in trouble! We used Tektronic Scopes - they were the 'ONLY'!
MINI-COMPUTERS! With programming! WOW! If you wanted it do do something else - it could be re-programmed, or discarded! Somebody had to pay, however! Basically, MOST Ham equipment was ALL tubes till the early 70's!

It wasn't till mid-late 70's that ALL Solid State Ham Radios became available! Atlas 210-215 comes to mind, as does Yaesu FT-301 and FT-7, and Ten-Tec 505 series in 72! We could still easily fix them, since the boards were able to be 'unplugged' or bypassed for ease of maintenance. It was all simple 'off-the-shelf' parts, so 'most' of the failing parts were available from major suppliers. And they were 'conventional' wireable parts! Many had become 'special order' items, though.

Then came the early 'microprocessor' and 'Digitally Synthesized' radios, IC-701 and others. The PC boards were hard wired together, and were NOT easily repaired. Components, including the Microprocessor, were stamped with 'House' numbers, so that, even if it was a conventional part, you could not obtain it unless you had a cross-reference (unlikely) or ordered it from the manufacturer ($$$$$)! And troubleshooting was a PIG, since, with the software, it was not possible to check MANY things.

This present 'Generation' of Ham Gear is now built with combination of plug together with cables, or sockets, or other, totally replaceable, units. Most, if not all components on most boards, excluding the RF Components, are house numbered (ICs only), Surface Mount Devices. Only a few older components are through hole mounting conventional parts.
In other words, to fix it, you try replacing EACH board!
Gone seems to be the day when you can follow the schematic, with a meter, to solve the problem.
I bought a $500 RCA Video CamCorder for $5 at Orlando Flea Market because it is TOTALLY Dead. I spent many hours, as did the seller, to find where there is a 'simple' break in the power! You see, without the Microprocessor working, this machine will do NOTHING!
In the old days, a radio could squack, squeal, light up, transmit, not

receive, not transmit but receive, etc., but RARELY do NOTHING! That's how we fixed them!

Nowadays, no 'Brain Stem' action - is DEAD! I can't use this CamCorder even as a a surveillance camera - it is 2.6 lbs of DEAD! I'm sure the lens is good, the motors work fine, the viewer is great, the Zoom is nice, BUT! NADA! A doorstop!

Our new radios are becoming like that!
Us QRPers are making a bit of a statement - We don't like it, and we won't stand for it!
Kudos for the K2, and other kits - I have built the Norcal Cascade, the KC-2, the Buzznot, the LDG QRP tuner, and a few other minor items within the last few years, and I do believe that we should support those companies that we can build/maintain the equipment!

I also have bought, and support, the SGC SG-2020, which is definitely not a kit - nor does it seem to be easily maintainable! It is my 'State of the Art' alternative to my Cascade.

So, while I have expounded on my views, I am also a prisoner of my 'Wants'!

Aren't we all!

72, 73 - - 11th out of 18 in 1B2-Bat Field Day - It was SSB only! A GUD score!

Mike.....>

Michael Pupeza VE3EQP
283 Peek-a-Boo Trail RR# 2
Penetanguishene, Ont.
Canada L9M 1R2

mpupeza@csolve.net
(705) 549-3220

Date: Sat, 28 Nov 1998 22:20:20 -0500
From: Ed Tanton <n4xy@att.net>
To: wa8mcq@erols.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [26112] Re: Cyclon lead acid cell caution
Message-ID: <3.0.5.32.19981128222020.00ceda30@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It was just this sort of thing that scared me so much about the 9V nicads that were generally available several years ago. With the extremely low ESR of nicads, they were quite capable of taking a ring finger right down to the bone-if not off. Of course, it probably wouldn't bleed much-what with the instant cauterization and all.
73

Ed Tanton N4XY EMAIL: n4xy@msn.com
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

INTERESTS: CW (99.5%) *QRP *BoatAnchors *Test Equipment *Photography
*Mercury Paddle #0214 *Hensley Paddle #002 *1919 Vibroplex Blue Racer

"Think you can, think you can't: either way you're right!" Henry Ford

---

Date: Sat, 28 Nov 1998 22:31:45 EST
From: ka7you@juno.com
To: QRP-L@LeHigh.EDU
Subject: [26113] Code practice for DOS machine
Message-ID: <19981128.194732.13119.1.ka7you@juno.com>

I want to upgrade, but my code has gotten so poor that I need some dedicated practice. All my old code programs don't seem to like the faster computer clocks, and I can't get the speed down below about 15 or 20 wpm. I've spent way too much time at the keyboard over the last couple of years, and almost none on the air--but I've learned one heck of a lot, due to this list. For that, I say THANKS!

I need to make some tapes to use in the car; and the computer and a tape player seems to be the best way to go.

Any suggestions, or a URL to download an appropriate program will be appreciated.

Thanks

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
160M thru 1296 MHz-higher bands pending
ARCI-QRP #7251 QRP-L #844 NWQRP #120 and others

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 28 Nov 1998 22:07:37 -0600
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <penzo@juno.com>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [26114] RE: Gel Cell Questions
Message-ID: <000201be1b4d$ccb83a90$2a3347cf@homedad.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I wouldn't use them down below about 10 volts (12 volt pack)

You can charge them at 10% of the amp-hour rating up to 14.4 volts.
When the battery reaches that voltage you MUST either terminate the
charge or reduce to a maintenance rate at 13.8 volts.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Michael A Penzo
> Sent: Friday, November 27, 1998 4:05 PM
> To: Low Power Amateur Radio Discussion
> Subject: Gel Cell Questions
>
>
> A couple of Gel Cell questions for the group:
>
> How low (voltage) can I drain my 12v gel cells and still maintain long
> lasting, healthy batteries.
>
> Also, what is the maximum voltage I should charge them to? Again, my
> goal is to keep them "healthy" for long term use.
> Thanks,
> Mike, KT4FJ
> Stafford, VA.
>
> _____
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at
> http://www.juno.com/getjuno.html
> or call Juno at (800)
> 654-JUNO [654-5866]
>

Date: Sat, 28 Nov 1998 23:33:17 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [26115] FS QRP
Message-ID: <814a454a.3660ce8d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang
I have for sale a 30-M ARK 5Watt cw rig,built in keyer,rit,cw filter.
Rig had a complete alignment and is clean.
Super sharp,drift free RX.
$160.00 shipped.
Thank you
Bob
WA2HOQ

Date: Sat, 28 Nov 1998 20:35:55 -0800
From: dave_epps@juno.com
To: qrp-l@lehigh.edu
Subject: [26116] OHR-500 Alive in Fresno
Message-ID: <19981128.203556.-56765.3.dave_epps@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just completed the OHR-500 kit and it worked right off the bat. This is a
fun kit
to build. It has the least dense boards I have seen lately. It is a
sturdy little
radio and will last a long time. The magnet wire with the meltable enamel
really makes winding toroids easier.
It will be operaed by E-ZOMBIE-500. (That's e-mail zombie #1)
    dave ab5pc fresno, ca.
____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Sat, 28 Nov 1998 20:38:51 -0800

From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [26117] WTB: Meter from HAM-II rotor control
Message-ID: <3660CFDB.20803C44@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I finally suceeded in putting up my quad. Works great. But in doing so, I dropped the Ham-II rotor control box, resulting in an open-circuited meter. Very interesting -- I took it all apart, looking for something to fix, but an almost invisible wire in the movement seems to have broken from the shock. There is no way to get to it.

So if anyone has one of these meters, I need it. Even one with a cracked or broken plastic case will be fine, since all I need is the movement.

Help, it's tacky having a multimeter with little stickers to indicate direction sitting on my rig!

Vic, K2VCO
Fresno CA

Date: Sat, 28 Nov 98 22:49:22 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [26118] Elmer205: SPICE books and software information [long]
Message-ID: <199811290446.XAA66978@nss4.cc.Lehigh.EDU>

Gang,

OK, it's late and 17M is dead. :-)

We will have an introduction to SPICE and it's use with the Elmer200 series. This due to a lot of interest expressed to me via email and personal conversations. I'll try my best to do a good job and anyone who has more information, feel free to jump in. You have to have some knowledge of electronics to use SPICE or PSpice. It is just a tool and I'll show you how you can get into trouble with it if you aren't careful. We'll reference all posts with Elmer205 in the headings so those that want to do this can have a separate thread to follow. Hopefully it'll help in all the bookkeeping.

Then I'd suggest a Elmer305 heading for the SPICE modeling for Jim Kortge's 2N2222 rig for the Elmer300 series. It's just a suggestion and subject to change by Jim et.al......

Here is a list of SPICE books that I have in my library. This is not a list that suggests a specific book for you, just a list of the books that I know about. I use them all, each has something that the others do not. I am not an expert on this topic. Most likely Jim Kortge, Dave Fifield, or Glen, VE3DNL, will have more info on the topic.

Some of these critters are out of print. I found a lot at University Book stores on sale and at used book stores in the technical section. I am a firm believer that like chocolate, you can't have enough books. I'm sure that www.barnesandnoble.com and www.amazon.com may have some of the books in stock or can special order some at their prices......

At the end of this posting is a list of web sites with additional information
and software to download, both workstation and PC software and someone let us know if you find others. This done with EXCITE, Alta-Vista, and other search engines and I personally surfed out to make sure all the info was still there. You know how this works with some dead links..... I'll take any updates that you know of and hopefully my typing skills and spelling haven't made a mess of things. :-) ;-)

Banzhaf, Walter., "Computer-Aided Circuit Analysis using SPICE". New Jersey, Prentice Hall. 1989. pp 307 in paperback. Emphasis on SPICE on mainframe computers with ASCII graphics. This of interest to those with old version of SPICE in FORTRAN.

Chattergy, Rahul, "Spicey Circuits - Elements of Computer-Aided Circuit Analysis". Florida, CRC Press. 1992. pp 241 in hardcover. Jury is still out on this book. I need time to work through it. I know the author and the series editor. Small world.

Connelly, J. Alvin, and Pyung Choi, "Macromodeling with SPICE". New Jersey, Prentice Hall. 1992. pp 273 in hardcover. Has floppy with models but 5.25" floppy was unreadable as most likely damaged by magnetic fields with checkout system in the store.

Fenical, L.H., "PSpice - A Tutorial". New Jersey, Prentice Hall. 1992. pp 344 in paperback. A good book for the beginner with plenty of examples with schematics, SPICE output, and graphical output from PSPICE.

Foty, Daniel, "MOSFET Modeling with SPICE". New Jersey, Prentice Hall.

1997. pp 653 in hardcover. With a MSRP of $104, this is by far the most expensive of the lot. Same class as the Massobrio book below in that hams are not the audience for this book.

Keown, John, "MicroSim PSpice and Circuit Analysis". New Jersey, Prentice Hall. 1998 in paperback. With CD evaluation copy of PSpice and Schematic.

Kielkowski, Ron, "Inside SPICE". New York, McGraw-Hill, Inc. 1998 hardcover. With CD with software that is freely distributable and is most likely the same as the one at ftp.lehigh.edu. See notes below on web sources for SPICE and PSpice.

Lamey, Robert, "The Illustrated Guide to PSpice". New York, Delmar Publishers Inc. pp 219 in paperback. With floppy with all examples.

Massobrio, Giuseppe and Paolo Antognetti, "Semiconductor Device Modeling with SPICE". New York, McGraw-Hill, Inc. 1993. pp 479 in hardcover. Written for people in semiconductor manufacturing and their modeling needs.

Monssen, Franz, "MicroSim PSpice with Circuit Analysis". New Jersey, Prentice Hall. pp 548 in paperback. Excellent examples and graphics.

Rashid, Muhammad H., "SPICE for Circuits and Electronics using PSpice". New Jersey, Prentice Hall. 1995. pp 364 in paperback.

Roberts, Gordon W. and Adel S. Sedra, "SPICE Second Edition". New York, Oxford University Press. pp 447 in paperback. I like this book because of the ASCII output from SPICE and graphics and samples with PSpice also.

Tuinenga, Paul W., "SPICE: A Guide to Circuit Simulation And Analysis Using PSpice". New Jersey, Prentice Hall. 1995. pp 288 in paperback. Another good beginner book although weighted heavy to PSpice since author is shown as an employee of MicroSim Corporation which was bought by another company just recently.

----------web sources for starters----------

http://www.sps-mot.com/home/models/ Motorola Device Models

http://ftp.llp.fu-berline.de/lsoft/Z/1/SPICE.html links to source code

for various systems. Note that some of the links are broken.

http://www.cad.eecs.berkeley.edu/Software/software.html broken link

http://www.mpce.mq.edu.au/~tonyp/research/spice.html good links to source code for version Spice3f4, Macintosh version of SPICE, and links to patches for the software.

http://www.ee.washington.edu/eeca/models/ links to sources of device and discrete transistor models

http://cbis.ece.drexel.edu/ECE/ECE-E352/vendorsp.html 20 links to vendor sites with spice models. I didn't follow all the links, but am assuming that they are pretty up to date.

http://www-personal.umd.umich.edu/~rlab/software.html links to freeware versions of PSpice for Windows, Macintosh, LINUX, and Commodore Amiga systems.

http://www.ee.washington.edu/eeca/software/ more links to additional software for filter (analog and digital) and EEDesigner software just to name a few

ftp.lehigh.edu in /pub/listserv/qrp-l/tools directory is executable for the RCG version of SPICE. This is not a crippled version with any limits. It is fullblown SPICE2G6. I'll try to give examples in Elmer205 postings for sample files other than the ones that come in the package when you expand it. Run the demo.bat file to see its capabilities. I'll come back with the details on the first 205 posting. It's been a while since I've done it myself.

OK, that outta keep you busy until Monday. :-)

FYI

--
Chuck Adams K5FO adams@ticnet.com CP-60
http://www.ticnet.com/k5fo

Date: Sun, 29 Nov 1998 00:21:30 -0500
From: "John Zaruba =?ISO-8859-1?Q?Jr.=7F"?= <jzaruba@mail.snip.net>
To: qrp-l@lehigh.edu
Subject: [26119] Re: LDG TUNER QUESTION

Message-ID: <199811290524.AAA67160@nss4.cc.Lehigh.EDU>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

I believe the tuner mentioned in the October QST was an Icom AH-4....
72 de John AA2BN

Date: Thu, 26 Nov 1998 23:33:06 -0500 (EST)
From: Mike Duke <K5xu@cris.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [25995] LDG TUNER QUESTION

Will it handle an end fed random wire, or is it strictly for coax systems?

Also, is it suitable for remote mounting such as was described in October
QST?

72,

Mike Duke, K5XU,
President,
Mississippi Council of the Blind
http://www.prestridge.com/mcb/

Date: Sun, 29 Nov 1998 00:27:31 -0500
From: olyellr@iglou.com
To: dave_epps@juno.com, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [26120] Re: OHR-500 Alive in Fresno....and mine in Louisville!
Message-ID: <3.0.5.32.19981129002731.0082e450@pop.iglou.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:35 PM 11/28/98 -0800, dave_epps@juno.com wrote:
>Just completed the OHR-500 kit and it worked right off the bat. This is a
>fun kit
>to build. It has the least dense boards I have seen lately. It is a
>sturdy little
>radio and will last a long time. The magnet wire with the meltable enamel
>really makes winding toroids easier.

>It will be operaed by E-ZOMBIE-500. (That's e-mail zombie #1)
>   dave ab5pc fresno, ca.

Same here, and I'm really happy with mine. Delivers as advertised and more.
Super receive
and filtering, and the QSK is indeed "silky smooth".

I also built the DD-1 freq counter and WM-2 wattmeter and they're as
excellent as the rig.

Dick Witzke does a great product and backs it up with super tech support to
boot.

72/3,
Mike L.

==========
de AF4LQ
FISTS #4139   QRP-L #1395
99% CW OP...for the pure JOY of it.
http://members.iglou.com/olyellr/

Date: Sat, 28 Nov 1998 23:42:41 -0600
From: Mike Dooley <msdooley@airmail.net>
To: K5xu@cris.com
Cc: qrp-l@lehigh.edu
Subject: [26121] Re: LDG TUNER QUESTION
Message-ID: <3660DED1.7C49@airmail.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike Duke wrote:
> Will it handle an end fed random wire, or is it strictly for coax
> systems?
[snip]

Mike,

I use an adapter I got that converts a BNC to binding posts (and a BNC
to PL259 adapter). Then, I connect my long wire to the red post (center
conductor) and the ground wire to the black post. Works great! Oh, and
I've never tried it on anything else... or remote.

Mike N5BGZ

Date: Sat, 28 Nov 1998 13:43:55 -0500 (EST)
From: "Curtis D. Levin" <kd4zkw@amsat.org>
To: Michael Pupeza <mpupeza@csolve.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [26122] Re: AHA! New Tech - with OLD HAMS! A PROBLEM! (LONG!)
Message-ID: <Pine.LNX.4.05.9811281316270.184-100000@dania.dialisdn.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 28 Nov 1998, Michael Pupeza wrote:

#Hello there QRPers!
#Technology has changed - and we 'older' hams have a BIG gap to try to span.
#I am 56 years old, have been licenced since 1960, but still 'play' with
#electronics, computers, radio, etc.! BUT it IS GETTING AWAY from me!

Funny. I am the 'new generation' of ham radio op. And I think it got away from me. It used to be that if there was an electronics question like those posted on this list, that it was answered via radio, but nowadays, it's mostly beginning to look like a skill I worked my whole life to hone has become a thing of the past, and my chances of gaining suitable employment right along with it. Nowadays, they pay solderers 5 bux an hour. I used to work on Aircraft Electronics, and was making 10 an hour back in the 80's, and would be lucky to find work making that much now, even though prices have nearly doubled on everything.

Our skills aren't skills anymore. We are becoming just as push button as the equipment is, and are being relegated to the pile of obsolescence well before our time. These days the job market changes so fast that anyone who goes to school will have a slim chance of getting a job in their field by the time they graduate. We are being replaced by the machines we worked so hard to build, and people with IQ's of 10 below rock life are determining our fate using the tools we said would make their jobs easier.

The funniest thing is, we fell for it, and bought into the big lie, before we even realized what we were doing, and now, we're finished. The heaven that we constructed for ourselves has left us well outside it's walls and redundant, without any hope of resurrection, and the people who were so carefully crafted by years of consumerism have simply sidled into slots we were once suited for. We were removed and replaced, just like the boards we can make minimum wage to solder now.

I've seen crackheads with brighter futures than this, who never did anything to earn what they got. And what happens when the big machine

malfunctions ? Well if you've seen what I have, you'd better learn to break down with it. I guess that's the real acid test there, and unfortunately for me, I was never that good at really being stupid.

I suppose we've made everyone else really happy though. They're even convinced that they can do it all, even though they never see fit to demonstrate anything except the fact that they can do whatever it takes to be able to say that they can. Actually accomplishing something significant in this world is for suckers and fools who don't mind being taken to the cleaners for it all, and non conformity is a fate worse than death.

I guess we haven't yet realized how close we actually came to the truth of a one world Govt, the big brother syndrome, etc. I guess we should consider ourselves lucky to even be here, given that mutually assured destruction or a communist alternative could've played out in today's society with absolutely no difficulty. Kind of a reminder of how close we actually came, and how thorough sedition really was. Just a musing from a cold war vet, but an unpleasant reminder that the world we live in still suffers from both arrogance and ignorance, a very dangerous combination.

73 and keep up the chatter. It does keep us going.

Curtis D. Levin kd4zkw.ampr.org [44.98.2.22]
kd4zkw@amsat.org QRP-l #1488
http://dialisdn.net/user/cdlevin/

Date: Sun, 29 Nov 1998 02:01:23 EST
From: we6w@juno.com (Ed Loranger)
To: qrp-l@lehigh.edu
Subject: [26123] Resonant Speaker project update.
Message-ID: <19981128.225438.4823.1.we6w@juno.com>

Gang, It took all of 12 hours of due dilligence,
but I have finally worked out the formula
for the end correction on a straight pipe.

This has been driving me crazy for a month
and I finally had the tools to complete the
task. Thanks much in part to the 3 individuals
who sent me who sent me a tuning fork. All different
frequencies.

Nowhere can it be found any other information than
generally the pipe length must be adjusted by a fraction

of the port opening.

Yeah, but what fraction. And what I found out is that the fraction is different for EVERY FREQUENCY. This is bunk. For example, a 2.03 I.D. pipe is shortened by 11 percent at 440 Hz. But at 659 Hz it is nearly 20 percent shortened.

Yet a 1.1 i.d. pipe is 8.5 and 9.5 percent shortened for these freqs. (Numbers are for example only, logbook is out in the freezing garage.... still can't feel my toes.)

I have built and capped some pipes and they draw a crowd when I wave the appropriate tuning fork over the opening of the correct tube. From nearly inaudible sound of the fork alone, to the xyl yelling from upstairs that she's tire of the obnoxious demonstrations. (And the TV is on up there!)

Amazingly, two of the 4 chambers are right on the money, and the other two are very close. So now I have some data to substantiate the design. I have recently experimented with coupled spheres but this was uneventful. It does show promise but efficiency is down.

I held off taking measurements all week because I didn't feel exactly on target with one of the chambers. I am much more comfortable now.

Currently I'm listening to the contest, whichever one it is, and wondering if anyone is out there, unless I'm tuned right on. It is amazing.

Bad news: I did not receive any offers of a ride from Santa Rosa and back from the Norcal Meeting Next Sunday. So the 4 prototypes I had planned to show will be seen at another time.

Design rev. #13 is the current working prototype, with at least two enhancements I'm working on that have yet to be installed. As it sits however, this unit is a real signal grabber. It is getting to where I hear QRP stations in the mud but they can't hear me. And these are stations I usually don't hear.

Comparisons to the MFJ-721 CW/SSB audio Filter at 80 thru 150 Hz settings similar noise passthru but not a lot of ringing in the resonant speaker.

The only problem is that I got hit hard by a 2 Watt signal

about 80 miles away. Nearly rattled the speaker out of
the mounting. That happens when it is tuned right on
freq. Gave him a 599 + 30dB Over. (Stan/NY6G)

All for now. I am totally bush-whacked, tired, spent.

A good day of radio adventuring here at houndhut, we6w.
-Ed 72
72, Ed WE6W QRP-Z#106 http://www.qsl.net/we6w
Enjoying Ham Radio every day! Santa Rosa, CA.

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 29 Nov 1998 01:34:01 -0600
From: Kathi Hilton <kathi2@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [26124] SGC 2020 Club
Message-ID: <3.0.32.19981129013353.007c2e10@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

For those of you who own the SGC SG 2020, SGC wants to start

a club. If you are interested <underline>write</underline> to:

SGC Inc.

Attn: SGC SG 2020 Club

Box 3526

Bellevue, Wa 98009

My soul guess for writing is they evidently want those who

are serious about joining. Guess nowdays it takes some ef-

fort to sit down and write a short letter and slap a stamp

on it. Anyway, further info at: http://www.sgcworld.com.

Also, it looks as if they've made some technical adjustments

to the rig so you may want to check that out as well.

73

Kathi - N0FKA

Visit Kathi's Web Page:

Http://home.earthlink.net/~kathi2/flower.html

Date: Sun, 29 Nov 1998 10:33:54 -0000
From: "Mel Evans" <MelGM6JAG@bccscotland.freeserve.co.uk>
To: <smann@advi.net>
Cc: <qrp-l@lehigh.edu>
Subject: [26125] Re: BNC's and Phonos! Now Ecosse!
Message-ID: <000001be1b89$921a01c0$9a0d883e@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Steve,

Thanks for info on Scotland county! You know we have the Scottish Nationalist Party striving for independence as a separate country, Scotland has it's own currency notes, Banks, languages, legal system, and it needs separate clauses in Acts of Parliament as it is a country within the United Kingdom.

The SNP and many Scots often refer to us as a poor county of England, I think you may have just confirmed it.

In my other disguise as a caravanner, I am chairman of the British Caravanners Club for "Scotland Area" which is even more galling when it is a whole country I represent.

Check out < http://www.bccscotland.freeserve.co.uk > for my web pages.

Regards

Mel GM6JAG

Edinburgh, Scotland UK
Home of the last HW9

Date: Sun, 29 Nov 1998 10:57:00 -0000
From: "Mel Evans" <MelGM6JAG@bccscotland.freeserve.co.uk>
To: <ka7you@juno.com>
Cc: <qrp-l@lehigh.edu>
Subject: [26126] Re: Code practice for DOS machine/SM
Message-ID: <000101be1b89$93ff3c80$9a0d883e@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Rod and gang,

Look for SuperMorse somewhere. Excellent DOS program, runs on 286 and even XT without problems, features all sorts of gizmos like programmable speed increases, interference on signals, jitters and the like.

Shareware program, author is M. Lee Murrah, WD5CID and he is based in Cedar Rapids. You can download and pay for the most up-to-date version direct from Compuserve and various BBS's, but I would guess you would do best to contact him first with the details of the machine you want ot use, and ask his advice. No connection, I would say that it cost around $20 for the DOS versions, and it's hardly worth worrying about if that's what he is still charging for it.

I have a contact for him at

10 Cottage Grove Woods
Cedar Rapids
IA 52403

and Compuserve 71016,1355@compuserve.com BUT thes are over five years old and may not be valid.

Regards

Mel GM6JAG

Edinburgh, Scotalnd UK
Home of the last HW9

-----Original Message-----
From: ka7you@juno.com <ka7you@juno.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Sunday, November 29, 1998 3:34 AM
Subject: Code practice for DOS machine

>I want to upgrade, but my code has gotten so poor that I need some
>dedicated practice. All my old code programs don't seem to like the
>faster computer clocks, and I can't get the speed down below about 15 or
>20 wpm. I've spent way too much time at the keyboard over the last
>couple of years, and almost none on the air--but I've learned one heck of
>a lot, due to this list. For that, I say THANKS!
>   I need to make some tapes to use in the car; and the computer and a
>tape player seems to be the best way to go.
>   Any suggestions, or a URL to download an appropriate program will be
>appreciated.
>   Thanks
>Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
>160M thru 1296 MHz-higher bands pending
>ARCI-QRP #7251   QRP-L #844   NWQRP #120   and others
>
>_____
>You don't need to buy Internet access to use free Internet e-mail.
>Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
>or call Juno at (800) 654-JUNO [654-5866]
>

Date: Sun, 29 Nov 1998 11:12:13 -0000
From: "Mel Evans" <MelGM6JAG@bccscotland.freeserve.co.uk>
To: <nilsbull@juno.com>
Cc: <qrp-l@lehigh.edu>
Subject: [26127] Re: The right end of the slobberin' iron ,I WAS THERE
Message-ID: <000201be1b89$97913ce0$9a0d883e@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Nils and gang,,

Three years ago, we had a program of bright young undergrads coming through the workplace in the summer vactaions for paid work experience with the utility company I work for.

Had the gas slobbser iron sitting on the bench, needed a bit more heat than from the pencil bit for a BIG old antenna joint on an old tube RX, so I had the slobbser iron turned up a BIT!

Enter bright young thing on grand tour of facility.

"hey, is that one of those gas solder irons" he said as he picked it up - - - - - - - - - - by the hot end.

He didn't hold it for long, and he didn't get the job either!

He did have a rather cherubic face as I recall, not at all suitable for the rest of the sentence he managed to get out before we took him to first aid.

Regards

Mel GM6JAG

Edinburgh, Scotland UK
Home of the last HW9
-----Original Message-----
From: Nils R Young <nilsbull@juno.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Saturday, November 28, 1998 7:22 PM
Subject: The right end of the slobberin' iron & other fancies

>Gang,
>
>Cindy pointed out an article in the local paper written by technology guy
>who works for the local Cox newspaper chain. The article bemoaned the
>fact that today no one -- especially the bright kids -- understands the
>innards of the toys they play with constantly. And, after reading the
>article, I sent the author (Bill Husted) the following note. (By the way,
>he's a ham too.):
>--------------------------------
>Bill,
>
>I'm sitting here with the temptation to order one of those Ten Tec
>capacitor kits and, having just read your article about the dearth of
>hands-on building opportunites, thinking about how much easier it would
>be to just buy the damn thing prebuilt from Tech America.

>
>We don't have any future here, last of the tool users & all. You and I
>and my grandparents & theirs before them got the old hands-on 'cause it
>was possible. SMD don't give us much room to fiddle. Which, I guess, is
>why Eric & Wayne of Elecraft have designed an HF CW/SSB transceiver kit
>that costs $700+ with all add ons but which is all non-SMD. Guys like
>you and me and others in the bifocal brigade luck out; our kids will
>never understand.
>
>Which reminds me of a story: About 20 years ago an engineering student at
>the university where I work (see web page below) came into the A/V repair
>shop (where I worked at that time) and asked me to help him with his
>senior design project. You'll love this: it was a two transistor, one
>chip, LM78** regulator for a power supply. He didn't understand why his
>project wouldn't work & if he didn't get it working, he wouldn't be able
>to graduate. So I asked him to show me the design. It was an almost
>verbatim copy of the National Semicon data sheet. I may not be able to
>find my keys or remember where I put my wallet, but I can remember a
>circuit that I've built a couple hundred times. Then I asked to see the
>board. He pulled a piece of perfboard/vero board out of his briefcase and
>handed it to me.
>
>All the leads on the parts were still sticking out the bottom. As in they
>were all shoved into the holes on the board & that was that. No slobber,
>no bent over leads from one part to another. And a couple wires here &
>there for input/output/ground connections.
>
>Now I don't know about you, but I started out replicating those little
>space rocket/sputnik crystal radio kits by getting the parts & screwing
>leads between them on a piece of pine plank, back around 1957. I was 11
>then. And here's this senior in electrical engineering trying to get a
>15-cent voltage regulator circuit to work for his senior year design
>project 'cause he doesn't understand the principle of connections between
>parts.
>
>And for every one of those kinds of gringos I've met at least two who
>were (a) not native gringos and who were (b) aware enough to know that
>you have to slobber the parts together to make it work.
>
>We're raising engineers in colleges all over this country who not only
>don't know which end of the slobberin' iron to pick up, they don't even
>understand the concept of solder/slobber itself!
>
>So you & I and many of my colleagues of the same approximate actuarial
>class are the last of the tool users, Bill. We're the dinosaurs of today
>and all those hot-shot little self-aggrandising, unethical know nothings
>(see the web page below) are in charge. When we're gone, we can sit in
>the comfort of our individual idealized hereafters and laugh at the world

>that we've left behind.
>
>The marching morons are at the gate, dude. But that doesn't mean we
>shouldn't try, occasionally and under the appropriate circumstances, to
>make the future of this planet everyone's concern.
>
>Nice article. I wonder how many people besides me & my wife & sons got
>the point.
>
>73
>Nils
>--------------------------
>So, having said that, did anyone notice that Tech America has the Alinco
>6m/HF transceiver on sale for $750? I did. And I'm still cleaning up the
>shack for the arrival of the K2, which I will have spent just about that
>much on & still have to build it. Am I feeling bad about this? Hmmm . . .
>To build or to buy . . . . hmm . . .
>
>73
>Nils
>--

>Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
>WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com
>http://www.geocities.com/Athens/Olympus/9172
>"In my day we had to FIGHT to have email! Every day was a struggle!"
>   -- Comrade Sergei
>Nikolaievich McTovarishov
>
>____
>You don't need to buy Internet access to use free Internet e-mail.
>Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
>or call Juno at (800) 654-JUNO [654-5866]
>

Date: Sun, 29 Nov 1998 15:04:21 +0200
From: Yaacov@barcode.co.il
To: qrp-l@lehigh.edu, ka7you@juno.com
Subject: [26128] Re: Code practice for DOS machine/SM
Message-ID: <9811292008.AA0229@Yaacov>
Mime-Version: 1.0
Content-Id: <208_80_1_912369861>
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have put the program MRX, which perfectly runs on 286 and higher,
in the incoming directory (anonymous FTP) of www.qrz.com.
It is a zipped file. In order to run it, change the date in your
computer to 1-Nov-1997. If you are satisfied with it, send 15$ to
the author (John Samin, from Austarlia), and get the licensed
copy.
I am very satisfied with this program: it helped me pass both Novice
and General class.

Yaacov Yossef 4X6HY

Date: Sat, 28 Nov 98 19:08:43 PST
From: Ken Graham <k5id@ipa.net>
To: qrp-l@lehigh.edu
Subject: [26129] 80m ARQRP net
Message-ID: <MAPI.Id.0016.00356964202020203030303430303034@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII; X-MAPIextension=".TXT"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Friends,

Although the 80m ARqrp net results are not normally posted on this
reflector, I will post last monday's results due to request.

Also, I am not normally the ncs of the net, but did not have anyone
pick it up, so went ahead, finally.

Check-ins were as follows

NF0R
KC0DX
KC5SSC
W4STI
Ve3JC
N1TP
N0AV
K5XU

Check-ins were from MO, AR, TX, ve3, FL, MA and MS.
Thank goodness for winter conditions on 80m!!!

Thanx for those who made it a success. I assume Bob, N9ZZ will
pick it up as he so ably does next week.

Regards,   Ken K5ID ARQRP #8

Date: Fri, 20 Nov 1998 07:47:55 -0500
From: brian <brian@iquest.net>
To: qrp-l@lehigh.edu
Subject: [26130] Welcome back to old hams
Message-ID: <365564FB.3626@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I've noticed a couple of message of late, from people wanting to get
into CW on HF. That's great, we need more contacts out here!

Some are asking about learning CW for the first time, and some are
asking about re-learning it. This is what worked for me.

In late 1988 I passed my Novice (5wpm) and in early 1989 I got my
Technician ticket. (No Tech Plus back then ((wow..I sound like and old
fart))) I immediately got distracted by Packet, RACES, Skywarn, and all
sorts of other non-HF related stuff and just about forgot my CW all
toghether. In about 1994 I got in a huff about PBBS operations and freq
allocations and just dumped Amateur Radio all together. 4 years go by
and this buddy of mine stops in and mentions that he's a ham now, and
he's all excited, and then tells me he made Extra and how much fun he's
having with CW. Something clicked and after a couple of months of
browsing the net I decided QRP was the only way to go....but I didn't
know CW that well, if at all. Anyway, I bought my Wilderness Radio
NORCAL 40A and built it, had some trouble because I didn't read the
directions, and put all my electolytic caps in backwards but eventually
got it figured out. Now I own a fully operational 1.8 Watt station.
Anyway, back to CW.

I had an old DX440 SW receiver so while building the 40A I would listen
to the band and try to copy some CW....not very well. I found that I
remembered about 16 characters, no numbers, and no punctuation. So, I
went to my trusty scout manual and looked up the missing parts. It
seemed to come back to me slowly but surely. By Labor Day I felt
confident enough to try to get on the air and off I went. 5 WPM with a
shaky fist. I tried to to geton the air each night, even if just for a
few minutes, to either QSO or copy code. Now (90 days later) I upgraded
to General and can almost do 13 wpm fluently.

What does this mean?? In my opinion, if you KNEW the code at one time, forget the tapes/programs and head for the airwaves. It worked wonders for me. Also, if you're a Novice or Tech+, BE THE FOX. Join in, make yourself get on the air, and BE THE FOX.

72

Date: Sun, 29 Nov 1998 09:36:01 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: //QRP-L Discussion Group <QRP-L@Lehigh.edu>, "+Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [26131] Calling Bob Gobrick
Message-ID: <199811290938_MC2-61CB-55E9@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Dear gang:

I sent Bob Gobrick N0EB an e-mail message but it was bounced back by Compuserve as undeliverable. Therefore I need his *current* address(es). Can anyone help out? Thanks in advance :-).

72/73,
--Doc Lindsey/K0EVZ
  DSBF
  P.O. Box 7187
  Bismarck, ND 58507
  E-Mail 70511.3041@compuserve.com

Date: Sun, 29 Nov 1998 09:05:45 -0600
From: William-McShan@ouhsc.edu (Mike McShan)
To: qrp-l@Lehigh.EDU
Subject: [26132] HW8 Handbook
Message-ID: <v01540b02b28712f8d4d1@[207.193.34.12]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Does anyone know if the HW8 book of modifications is still available and
from whom?

Thanks and 72,
Mike N5JKY
Edmond, OK

Date: Sun, 29 Nov 1998 10:16:36 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Cc: cw@qth.net
Subject: [26133] Hi-Mound MK8 paddle for sale
Message-ID: <3.0.5.32.19981129101636.007eb5f0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

     Heavy chrome paddle with excellent adjustability and quite beautiful.
These are available for $129 from Morse Express http://www.morsex.com
I am selling mind for $95 OBO shipped/insured to your door.

I am selling this paddle to cover other shack expenses. So, if your
intrested, please contact me direct at whowell@mail.hq.nasa.gov

tnx es 72/73 de Scott/n3byy

Date: Sun, 29 Nov 1998 10:19:52 -0500
From: "Vincent Ferme" <vferme@sprint.ca>
To: <William-McShan@ouhsc.edu>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [26134] Re: HW8 Handbook
Message-ID: <008d01be1bab$b7565ac0$f18b94d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike,

One source is Bill Kelsey's Kanga US.

73 de Vince, VE3VFN.

-----Original Message-----
>Does anyone know if the HW8 book of modifications is still available and
>from whom?

Date: Sun, 29 Nov 1998 08:21:26 -0700
From: Rod Cerkoney <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [26135] [RE]learning code
Message-ID: <3.0.5.32.19981129082126.00809d70@mail.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks:

My two cents about learning/re-learning Morse Code. Use a computer program, tapes, whatever, to get to 5wpm SEND and RCV. Then put the gizmos aside and get on the air. Call CQ, answer CQs, listen to W1AW code practice. Ain't nothin' better than a QSO to sharpen those CW copy/send skills! The first few contacts are rough but most people are patient and helpful. BTW the way this is how I did/re-did it and it works. Got my novice/general in the early 60's, using tapes & on-air work. Let my ticket expire in the 70s. In Apr of this year I passed my Tech+, using a computer to get to 5wpm. Last month I passed the 20wpm code test. I got there by following the advice I offer, on-air & W1AW copy!

Two more cents worth. Learn good CW operational procedures. MAN IS THIS INFO HARD TO COME BY. I was disappointed how little there was in various ARRL manuals. The best CONCISE source of info I found was on K3WWP's web site. Here is the URL: http://www.alltel.net/~johnshan/cw_proc.html. Or start at his home page http://www.alltel.net/~johnshan/findex.html and follow all the CW links. Just reading cw_proc.html will tell you a lot about how to call/answer CQ, proper PROSIGN usage...etc. In fact I think CW usage should be a document/FAQ available from this reflector's supporting web site.

So there you go, learn CW, learn CW usage, do it on the air as quickly as you can.

72/3 K0RWC
Rod Cerkoney, QRP-L #1764.

Fort Collins, CO
da di dah

Date: Sun, 29 Nov 1998 11:06:05 -0500
From: "GREGORY HEATH" <KB2QQM@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@Lehigh.edu>
Subject: [26136] re: Artificial Ground
Message-ID: <03f900507161db8UPIMSSMTPUSR04@email.msn.com>

hi, everybody,,,saw the post and I also live in an apartment without a proper ground. One of the other gentlemen mentioned the use just a quarter wave wire attached to the ground point on the rig. I also had an artificial ground hooked up, but disconnected it in favor of the the 1/4 wave wire. To make it easier for me to do that and to not have wires running all over the shack..I purchased some of that stuff called ribbon cable, you know the stuff inside computers to hook up different ports and such. It is 28 AWG with 10 conductors. It measures about 3/4 of an inch wide and I got it in a 100 foot spool. I simply measured out a quarter wavelength on each band and then made a cut on the wire corresponding to a quarter wavelength on each band. Make sure the end of the cable is insulated from household items like carpet and paper, and have fun. This type of setup has worked for me in the past. It is easy and neat.Another thing I did was use my artificial ground, and a 1000 foot long spool of 10 AWG insulated flexweave(used for building wire antennas......my opinion the best), and to the end I connect the art. ground. Works great even with an 800 watt amp.....well so far...
I dont use the amp much except for AM. thanks and everyone have a great holiday. Greg.

Date: Sun, 29 Nov 1998 10:39:51 -0600
From: Dave Sjolin <sjolin@swbell.net>
To: kd4zkw@amsat.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [26137] Re: AHA! New Tech - with OLD HAMS! A PROBLEM! (LONG!)
Message-ID: <366178D7.5B63A243@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Curtis D. Levin wrote:

> I've seen crackheads with brighter futures than this, who never did
> anything to earn what they got. And what happens when the big machine
> malfunctions ? Well if you've seen what I have, you'd better learn to
> break down with it. I guess that's the real acid test there, and
> unfortunately for me, I was never that good at really being stupid.
>
> I suppose we've made everyone else really happy though. They're even
> convinced that they can do it all, even though they never see fit to
> demonstrate anything except the fact that they can do whatever it takes to
> be able to say that they can. Actually accomplishing something significant
> in this world is for suckers and fools who don't mind being taken to the
> cleaners for it all, and non conformity is a fate worse than death.
>
> I guess we haven't yet realized how close we actually came to the truth of
> a one world Govt, the big brother syndrome, etc. I guess we should
> consider ourselves lucky to even be here, given that mutually assured
> destruction or a communist alternative could've played out in today's
> society with absolutely no difficulty. Kind of a reminder of how close we
> actually came, and how thorough sedition really was. Just a musing from a
> cold war vet, but an unpleasant reminder that the world we live in still
> suffers from both arrogance and ignorance, a very dangerous combination.

Curtis, Thanksgiving must have been a real treat at your household!

You may not be "good at really being studid" but you're certainly
overlooking all the opportunities
that exist today. Just because you cant do what you did yesterday,
doesnt mean you cant contribute.
If crackheads have it so good, maybe you can provide some type of
service to them (other than selling
the drug of course).

As long as you have the attitude that someone out there is doing it to
you, then you have given control
to them. You have to take responsibility for your own life.

Good luck es 73 de Dave, N0IT

Date: Sun, 29 Nov 1998 11:49:24 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: 50mhz <50mhz@qth.net>, njqrp <njqrp@njqrp.org>, "qrp-canada@lists.gpfn.sk.ca"
<qrp-canada@lists.gpfn.sk.ca>, qrp-l <qrp-l@Lehigh.EDU>
Subject: [26138] Ten is hopping mad....
Message-ID: <36617B13.A1FD6002@tbaytel.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fire up all of those QRP rigs for 10 metres.The band is crazy today.
Fred VE3FAL
VA3SBB/BCN 28.241mHz

Date: Sun, 29 Nov 1998 08:53:29 -0800
From: David Shalita <af389@lafn.org>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Cc: "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>
Subject: [26139] SPICE Models 2N5109-5179
Message-ID: <36617C09.81E47918@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Folks,

Can someone point me to web or ftp site
where I can obtain SPICE models for these
and similar transistors? A location was
previously listed but I have misplaced.

Thank you.
73, W6MIK
--
David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Sun, 29 Nov 1998 11:55:19 -0500
From: "Ken & Linda Burrough" <ne0c@1st.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [26140] RE Learning Code
Message-ID: <003201be1bb9$310d2f80$6706f0d1@ne0c.1st.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Good Morning

Brian wrote in part--->?? In my opinion, if you KNEW the code at one time, forget the tapes/programs and head for the airwaves.

Rod wrote in part--->My two cents about learning/re-learning Morse Code. Use a computer program,
tapes, whatever, to get to 5wpm SEND and RCV. Then put the gizmos aside and get on the air. Call CQ, answer CQs, listen to W1AW code practice. Ain't nothin' better than a QSO to sharpen those CW copy/send skills!

Both Brian and Rod are right. I have helped many learn CW and the first thing I tell them is MAKE IT FUN. When you say you must study code using tapes, computers or what ever, it is not FUN, it is WORK. Get on the air, make contacts, work the contests and don't be afraid to make mistakes, the best old farts make mistakes, just listen to the cw bands.

I hope everyone had a good Thanksgiving and keep pounding brass.

Ken/ne0c
Flushing, Ohio
QRP-L 1524

Date: Sun, 29 Nov 1998 12:22:32 -0500 (EST)
From: Bruce Muscolino <w6toy@erols.com>
To: QRP-L@LEHIGH.EDU
Cc: brian@iquest.net
Subject: [26141] Re: Welcome back to old hams
Message-ID: <2.2.16.19981129120937.2ab72dba@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I tend to agree with Brian -- there;s no substitute for getting on the air and operating. I don't hold much with tapes, they're too easily memorized. I do believe in computer programs that are infinitely adjustanle becaue you're not likely to use the same material over and over. I wrote a CW trainer program in 1982 as an exercise in doing. It is a reasonably full fratured program allowing for variable speed and spacing up to about 35 wpm. It works quite well in DOS era computers. I think I even have a version somewhere that will run in the DOS mode on a WINDOWS PB. The reason I

didn'tmarket it then is the advent of SuperMorse and others like it. In any event, get on the air, work stations. Listen to W1AW -- it's the greatest code practice resourse in the world and it's FREE. I own my license to it!

73

Date: Sun, 29 Nov 1998 13:20:07 -0500
From: "Bob Marsh" <bmarsh@hicom.net>
To: <njqrp@njqrp.org>, <qrp-l@Lehigh.EDU>
Cc: "NJQRP Club" <njqrp@njqrp.org>
Subject: [26142] Re: 11 to 10 Conversion
Message-ID: <000c01be1bc4$e80f7660$0100a8c0@pentium>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi everyone,

I just bought a Radio Shack TRC-501 (21-1701) for $29.97 locally. It's been discontinued and reduced in price from $49.95.

Hope someone can use the info.

73 de Bob/KB2SGM
NJ-QRP #39

Date: Sun, 29 Nov 1998 11:56:36 -0600
From: "Bruce Barley" <lbbarley@feist.com>
To: <qrp-l@lehigh.edu>
Subject: [26143] Elmer200: Crystal Checker results and info ... long
Message-ID: <199811291856.MAA26791@wichita.fn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello to all -

The transistor I used for the osc portion of the Crystal Checker was a
 2N4141 mfg'd by National Semiconductor and is a refugee from

my junk drawer. I had used it some 15 years ago in a long abandoned project and I had never gotten around to stripping it down.

2N4141 Si NPN Pd: 300mw Vcb: 60 hfe:300 @ 150ma Ft: 300mzh

The Motorola Semiconductor Data Library Vol. 1 2nd ed   pg 2-48 recommends a 2N4401 as a direct replacement.

Powered with a 9v battery, the checker works FB to at least 39.6 Mc which is the series resonant FUNDAMENTAL crystal for 10m reception from my Drake R-4B receiver. I've tried a variety of other crystals from out of my junk drawer, and the only one which failed to oscillate was a H/C-6 532 kc crystal. An odd duck, I don't recall where this little guy originally came from. Oh, well. I'll try it in another circuit some day...

Construction was semi-ugly style, being built on a chunk of thick old (see text below) double sided PCB stock. I mapped out the nodes of the schematic. Once I had harvested the parts (old stereo audio amp, junked PC monitor, and dead garage door opener) , I layed them out for physical fit. LO and BEHOLD ! This puppy was going to be a FB fit into an Altoids tin. I drilled the locs for the leads in the nodes which
I drew onto one side of the PCB stock. Then I took my old cable drive hobby tool, and using a small burr I removed the copper to leave pad ups for the lead locations. Then, on the component side of the board, I removed
the copper from on top of the pad ups and traces on the solder side of the board.
This eliminated the capacitance from having a grounded layer of copper beneath
the pad ups and traces. Ugly? Well, ...   Quick? Damn Betcha!

I achieved almost total recycling in this project. The only NEW parts were the
gromets (where the test leads and the light bulb came through the Altoids tin),
the push button switch, and the 9v battery connector, and the light bulb. Every
single component otherwise was recycled junk box parts. And actually I did not
have to spend a dime out of pocket. All the other parts were on hand, which
I had picked up over time.

One Altoids tin down: 11 still on the shelf in the garage. (Peppermint). OBTW,
I picked up a couple of Wintergreen Altoids at Target yesterday ($3.59 for

the two).

OK Elmer200. What's next?

Bruce Barley KB0PZD qrp-l # 69
lbbarley@feist.com

Date: Sat, 29 Nov 1997 14:41:01 -0500
From: "Harry T. Hurst, WA3PTG" <hhurst@delaware.infi.net>
To: <qrp-l@lehigh.edu>
Subject: [26144] Re: Work DX
Message-ID: <199811291938.OAA11221@fh105.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yup, but I prefer to work DX casually and easy-going. That wasn't to be this weekend.

It turned out to be a good weekend to take the rig apart for a bit of tuning and to try a few mods. The rig is now ship-shape, and I'm ready to go.

Here in Delaware, it was too nice to play with radios anyway.

Date: Sun, 29 Nov 1998 15:30:51 -0500
From: "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
To: <qrp-l@lehigh.edu>
Subject: [26145] Paddle suggestion results
Message-ID: <199811292034.PAA08231@smtp2.erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang: A few days ago I asked for suggestions about replacing my Ten-Tec paddles with something better for under $150.00. The responses came fast and were based on personal experience. MANY THANKS for all the

helpfulness. The tally was:

Kent - 4
MFJ - 1
Vibroplex keyer - 3
GHD - 1
Schurr -1
Hi-Mound - 1

In addition, several people suggested going with double paddles and using them like a single, retaining the flexibilty to go iambic in the future. There were also a number of references to Marshall at Morse Express with the highest regard for his judgement and merchandise.

I checked sites all over the internet, especially Marshall's, talked to people I know, etc. I then got to try several of the keys at the local HRO. The Bencher, MFJ, and Vibrokeyer did not appeal to me, although I like the look of the Vibrokeyer. I, frankly, liked the feel of a Brass Racer. Then my saintly wife hit me with a whammy: the money for a Schurr double paddle, which I thought felt the best but had eliminated because of the price. Well, my early Christmas present is sitting in front of the rig now and I'm getting up the courage to use it on the air. It feels a bit like wearing crown jewels. It will certainly get a workout when I go as the N/T+ fox this Wednesday. I never expected to own a key of this quality and I'm looking forward to a long time of using it.

Thanks to everyone who took the trouble to respond. Once again, this list has proven its worth.

Jeff KF4JSV QRP-L # 743
Manassas, VA

Date: Sun, 29 Nov 1998 15:09:57 -0500
From: "JEFFREY MICHAEL POULIN" <jpoulin@erols.com>
To: <qrp-l@lehigh.edu>
Subject: [26146] N/T+ Fox: 1st notice for Wed. 12/2 (Thurs. 12/3 UTC)
Message-ID: <199811292034.PAA08210@smtp2.erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello folks: I'm taking my 3rd go round as N/T+ fox this Wednesday night.

QRP-L # 743
call KF4JSV

date WEDNESDAY 12/2/98 (UTC THURSDAY 12/3/98)
time 8 - 10 pm eastern (UTC 0100 - 0300)
rig Ten-Tec Corsair II cranked down to 5 watts
antenna dipole at 25 feet (best I can do at the moment)
frequency will start at 7.123 +/-
QTH Manassas, VA
EXCHANGE: call sign, name, state, power output, QRP-L number

Hope to hear all of you.
72/73, Jeff KF4JSV

Date: Sun, 29 Nov 1998 15:41:02 -0500
From: Andrew Comas <acomas@panix.com>
To: qrp-l@lehigh.edu
Subject: [26147] 6m Antennas for QRP?
Message-ID: <3661B15E.B039656C@panix.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm looking for a 6m SSB antenna for Field Day and camping and was
wondering if anyone had experience with either the MFJ -1776 6 meter
folded dipole or the MFJ - 1764 Full Halfwave (is made up of 2
radiators). I have made some homebrew ones in the past but have not
been happy with the performance. Any suggestions?
I have used an MFJ 40m folded dipole for many years on camping trips and

Field Day. Its been light and sturdy.

Thanks
73s de Andrew N2ZT

Date: Sun, 29 Nov 1998 16:25:58 -0500
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Cc: cw@qth.net
Subject: [26148] call lookup
Message-ID: <3.0.5.32.19981129162558.007e0380@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I hope someone can help. I had a qso with a gent who's call is k3cjq and I am very certain that is the correct call for he did not correct me if it were wrong. I can't find it by using qrz etc. so could someone check an old book to see if it is correct? His name is Ted and I didn't catch the qth. I had a little trouble copying his signal do to I think soemthing with the rig. Seemed as he keyed you'd get a slight kerchunk noise and probably missed some letters this way.
guy is 80 years old from what he was saying. I bet he's the oldest Ham I have made contact with. Nice guy.

tnx es 73 de Scott/n3byy

Date: Sun, 29 Nov 1998 21:37:09 GMT
From: n4js@pobox.com (John Sielke)
To: qrp-l@lehigh.edu
Subject: [26149] FYBO
Message-ID: <3665bdde.89721007@mail.snip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

With 70 deg temps here in NJ, it's strange, but I have been thinking about the FYBO event. I had a ball last February. Is there going to be one this year? Would like to know the dates, since with my schedule, I am often working weekends, and would like to arrange to get that day off, if possible.

Besides that, by then I may be able to use my K2!

  _   _   _   _ =20
 / \ / \ / \ / \   John L. Sielke n4js@pobox.com n4js@qsl.net
(N)(4)(J)(S) NJ Grid:FM29LN http://www.qsl.net/n4js
 _/ _/ _/ _/   NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781 Zombie #526

Date: Sun, 29 Nov 1998 18:26:46 -0500 (EST)
From: Thom <thom@li.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>

Subject: [26150] IC Pins
Message-ID: <Pine.SUN.3.95.981129182353.712B-100000@linet01>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang,
  I just spent about an hour or so putting 10 IC's into their sockets. Has anyone got any tips to share on bending the pins on these things so they line up with the sockets. (Other than the tried and true - if not time consuming method - of pressing them onto the table top).

Any thoughts would be appreciated.
Tom McCulloch
WB2QDG
thom@li.net

Date: Sun, 29 Nov 1998 17:03:27 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@lehigh.edu
Subject: [26151] Slobberin' iron ends & some other stuff . . .
Message-ID: <19981129.170334.4646.2.nilsbull@juno.com>

Gang,

Don't get me wrong. I ain't about to weasel out on the K2 deal. It's just funny to me that, right after I send the money to Eric & Wayne, I get a nice color glossy flier from TechAm with an advert for a radio that I really, for the life of me, don't figure I would ever use . . . even if it did come fully assembled and ready for me to abuse it.

I'm waitin' just like a lot of youse, for the K2 to arrive at my door, begging for a chance to challenge my patience again.

Since I am a patient, it would only make sense, ne?

73
Nils

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com
http://www.geocities.com/Athens/Olympus/9172
"In my day we had to FIGHT to have email! Every day was a struggle!"
                                                -- Comrade Sergei Nikolaievich McTovarishov

_____
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End of QRP-L Digest 1291
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